

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004813**Date Inspected:** 21-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Huang Weng Pang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG and SAS Tower Fabrication**Summary of Items Observed:**

Bay 4: Tower Diaphragm

This QA observed ZPMC/NDE perform MT on the following weld joints of tower diaphragm with Aaron Wintrich. This QA and Aaron Wintrich also performed MT on weld joints mentioned below.

- a)ESD1-SA404-1A, 1B – deemed acceptable
- b)ESD1-SA381A/B-1A,1B - deemed acceptable
- c)ESD1-SA381A/B-13~18 - deemed acceptable
- d)ESD1-SA381B/B-1, 2, 7 &8 - deemed acceptable
- e)ESD1-SA404-4 - deemed acceptable
- f)ESD1-SA424A/B-9A, 9B, 10A, 10B - deemed acceptable
- g)ESD1-SA425-3A, 3B, 4A, 4B - deemed acceptable
- h)ESD1-SA381A/B-4 - deemed acceptable

Bay 7: OBG - Floor Beam Sub Assembly

This QA observed ZPMC/personnel gouged/carbon arc of two transverse linear indications on fillet weld of flange to web plate connection of floor beam FB012-007-001 per critical weld report B-CWR 190. After completing carbon arc and grinding, this QA again observed ZPMC/NDE Wang Wei perform MT on the removal of transverse linear indications. This QA also perform MT on the linear indications removal and found acceptable.

WELDING INSPECTION REPORT

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Summary of Conversations:

No significant conversation occurred today.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Joshua Ishibashi, (858) 232-7091, who represents the Office of Structural Materials for your project.

Inspected By: Lizardo, Joselito

Quality Assurance Inspector

Reviewed By: Cuellar, Robert

QA Reviewer